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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,288	04/12/2004	Feng Yin Chen	C2P4006-93-022E	2970

7590 03/27/2006  
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EXAMINER

VANTERPOOL, LESTER L

ART UNIT	PAPER NUMBER
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3727

DATE MAILED: 03/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/822,288

Applicant(s)

CHEN, FENG YIN

Examiner

Lester L. Vanterpool

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chiang (U.S. Patent Number 6260750) in view of Lin et al., (U.S. Patent Number 6808093).

Chiang discloses the substantially T-shaped hanger (See Figures 1 – 3 & 5) part having two extended rods (122 & 32) at the bottom end thereof, each of the extended rods (122 & 32) having the locking notch (121 & 321) on the bottom face thereof.

Chiang further discloses the pair of identical mounting units (4), each of the mounting units (4) consisting of the rod holders (23, 41 & 44) (column 2, line 59 – 60), an extended bar (2 & 45) and the control members (22, 43 & 44) are connected by the extended bars (122 & 32), each of the rod holders (23, 41 & 44) having the vertical through hole (231, 411 & 421) to receiving the head piece rod (52 & 54) of a car seat (column 2, line 27 – 28 & column 3, line 54 – 57) (See Figures 2 & 5).

Chiang further discloses each of the control knobs (321) are further provided with the locking flange (431) on an inner wall above the insertion hole (411) thereof (column 3, line 27 – 30). See Figures 3 & 4.

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Chiang further discloses each of the control members (41 & 43) have a hollow central portion (See Figure 3) to house the control knob (321) and an insertion holes (411). See Figure 4.

Chiang further discloses an insertion hold on the lateral side (23) to pass the extended rod (21) of the hanger part. See Figure 2.

However, Chiang also does not disclose each of the control knobs having a horizontal insertion hole to pass an extended rod of the hanger part whereby the extended rods can be respectively inserted into the mounting units.

Lin et al., teaches each of the control knob (113, 114 & 1131) have a horizontal insertion hole (1120) to pass an extended rod (20) of the hanger (30) part whereby the extended rod (20) can be respectively inserted into the mounting units (112) for the purpose of providing durability. It would have been obvious to one having ordinary skill in the art at the time the invention was made to make the control knob have a horizontal insertion hole as taught by Lin et al., with the automobile clothes hanger bracket of Chiang in order to enhance reliability and durability.

However, Chiang does not disclose each of the control knobs further provided with a thinner section to mount a spring, whereby the springs urge the control knobs upward so that the though holes of the control knobs will not align with the insertion holes of the control members.

Lin et al., teaches each of the control knob (113 & 114) is further provided with a thinner section to mount the spring (116), whereby the spring (116) urges the control knobs (113, 114 & 1131) upward so that the though holes (1120) of the control knobs

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will not align with the insertion holes (211) of the control members (113, 114 & 1131) (column 3, line 65 – 68 & column 4, line 1 – 5) (See Figure 2) for the purpose of easier user friendly capabilities. It would have been obvious to one having ordinary skill in the art at the time the invention was made to make each of the control knob as taught by Lin et al., with the automobile clothes hanger bracket of Chiang in order to enhance easier user friendly releasing and locking capabilities.

Chiang discloses each of the control knobs (43) further provide a block (430) at an end of the through hole (432) thereof to change the diameter of the through hole, whereby the blocks (430) can engage with the locking notches (321) of the extended rods (32). See Figure 4.

However Chiang does not disclose the extended rods can be secured at or removed from the mounting unites by simply pressing the control knobs.

Lin et al., teaches the extended rod (20) can be secured at or removed from the mounting unites (112) by simply pressing the control knobs (113, 114 & 1120) (column 4, line 1- 5) (See Figure 2) for the purpose of providing an easy release. It would have been obvious to one having ordinary skill in the art at the time the invention was made to make the extended rod secured at or removed from the mounting unites by pressing the control knobs as taught by Lin et al., with the automobile clothes hanger bracket of Chiang in order to enhance the release functions.

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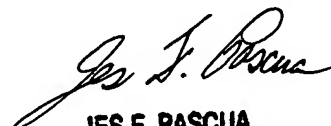
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lester L. Vanterpool whose telephone number is 571-272-8028. The examiner can normally be reached on Monday - Friday (8:30 - 5:00) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Newhouse can be reached on 571-272-4544. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LLV

  
**JES F. PASCUA**  
**PRIMARY EXAMINER**